

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A liquid crystal display displaying, using a liquid crystal display panel, an image responsive to input image data, comprising:

driving means for driving the liquid crystal display panel in either an impulse drive mode or a hold drive mode, (i) in the impulse drive mode an image display period for performing display according to the input image data and a monochrome display period for performing display according to previously-specified certain monochrome display data being generated within an input image data rewriting period for writing in each pixel of the liquid crystal display panel, while (ii) in the hold drive mode display according to the input image data being always performed within the rewriting period, without setting the monochrome display period;

switching means for switching between the modes for driving the liquid crystal display panel by the driving means; and

means for varying, in accordance with the input image data and according to one of the modes for driving the liquid crystal display panel, a gradation voltage to be applied to the liquid crystal display panel, so as to prevent, regardless of the hold display mode or the impulse display mode, changes in gamma characteristics due to ~~caused by~~ differences in response speed of liquid crystal between display gradations, which differences are caused by ~~on account of~~ insertion of the monochrome display data, ~~by varying, in accordance with the input image data and according to one of the modes for driving the liquid crystal display panel, a gradation voltage to be applied to the liquid crystal display panel.~~

2. (Original) The liquid crystal display of claim 1, wherein

the means for varying the gradation voltage varies a reference gradation voltage for driving the liquid crystal display panel.

3. (Original) The liquid crystal display of claim 2, further comprising:

a storage section storing sets of reference gradation voltage data previously specified.

4. (Original) The liquid crystal display of any one of claims 1 through 3, further comprising:

means for detecting a temperature in the liquid crystal display; and

means for varying a gradation voltage level to be applied to the liquid crystal display panel, in accordance with the input image data and the detected temperature in the display.

5. (Original) The liquid crystal display of any one of claims 1 through 3, wherein

the switching means switches between the modes for driving the liquid crystal display panel in accordance with a user's instruction.

6. (New) A liquid crystal display displaying, using a liquid crystal display panel, an image responsive to input image data, comprising:

driving means for driving the liquid crystal display panel in either an impulse drive mode or a hold drive mode, (i) the impulse drive mode having an image display period for performing display of the input image data and a monochrome display period for performing display of certain previously-specified monochrome display data, each of the display periods being performed within an input image data rewriting period, the input image data written sequentially in each of scan lines of the liquid crystal display panel and written in each pixel of the liquid crystal display panel, (ii) the hold drive mode performing display of the input image data for the entire rewriting period, without setting the monochrome display period;

switching means that switches between the modes for driving the liquid crystal display panel by the driving means; and

means for varying, in accordance with the input image data and according to one of the modes for driving the liquid crystal display panel, a gradation voltage to be applied to the liquid crystal display panel, so as to prevent changes in gamma characteristics due to differences in response speed of liquid crystal between display gradations, which differences are caused by insertion of the monochrome display data.